Finanziato dall'Unione europea NextGenerationEU
Ministero dell'Università e della Ricerca
Italiadomani PIANO NAZIONALE DI RIPRESA E RESILIENZA
Consiglio Nazionale delle Ricerche

	Monday 11		Tuesday 12	Wednesday 13	Thursday 14	Friday 15
9:00 -10:00	**School Presentation and Introduction**	**9:00 -10:30**	Matteo Galli, Università di Pavia: Silicon photonics for quantum technology applications	Paola Taroni, Politecnico di Milano: Photonics for in vivo diagnostics: Focus on diffuse optics	Guido Toci, CNR-INO: Metamaterials and Metasurfaces for optical applications	Giampiero Pepe, Università di Napoli Federico II: Superconducting devices for microwave-to-optical quantum conversion
10:00 - 11:30	Giorgio Cellere, Applied Materials: Heterogeneous integration and advanced packaging	**10:30 - 10:45**	Break	Break	Break	Break
11:30 - 11:45	Break	**10:45 - 12:15**	Salvatore Savasta, Università di Messina: From cavity QED to quantum photonics in solid state devices (Part 1)	Riccardo Cicchi, CNR-INO: Multimodal non-linear optical microscopy for tissue characterization and diagnostics	Giorgio Volpe, University College London: Complex Photonics and its Applications (ON-LINE)	Marina Foti, 3SUN: Cutting-Edge Solar Technologies: Current Trends and Future Perspectives
11:45 - 13:15	Giuseppe Compagnini, Università di Catania: "Strategies to generate and manipulate colloidal nanomaterials"	**12:15 - 13:00**	Break & Pitch Presentations	Break & Pitch Presentations	Break & Pitch Presentations	**Summary and Conclusions - Pitch Awards**
13:30 - 14:30	LUNCH	**13:00 - 14:30**	LUNCH	LUNCH	LUNCH	LUNCH
14:30 - 15:00	Pitch Presentations	**14:30 - 15:00**	Pitch Presentations	Pitch Presentations	Pitch Presentations	**Visit to CNR-IMM Labs**
15:00-16:30	Carlos Rios Ocampo, University of Maryland: In-memory Computing on a photonic platform	**15:00-16:30**	Salvatore Savasta, Università di Messina: From cavity QED to quantum photonics in solid state devices (Part 2)	Alessandro Fonte, SIAE Microelettronica: Microelectronics Solutions for Millimeter-Wave High-Performance 5G Backhaul	Daniela Comelli; Politecnico di Milano: Illuminating the Past: Unveiling Cultural Heritage through Photonics Technologies	
16:30 - 16:45	Break	**16:30 - 16:45**	Break	Break	Break	
16:45 - 18:15	Carlos Rios Ocampo, University of Maryland: Reprogrammable photonics	**16:45 - 18:15**	Diego Di Girolamo, 3SUN: Halide Perovskite Photovoltaics. Basic Principles and Selected Applications		Giampiero Pepe, Università di Napoli Federico II: superconducting devices for photonics and the QUANCOM project	
				19:30 Social Dinner		

LINK FOR THE REGISTRATION TO THE SCHOOL (MANDATORY)

Scientific Committee: S. A. Lombardo (CNR-IMM), S. M.S. Privitera (CNR-IMM), B. Fazio (CNR-DSFTM).
Local Committee: R. Patanè, G. Mirabella, R. Milazzo, R. Pagano, D. Morganti; 11-15 November 2024, Catania.
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